

Project Management System Upgrade

Department of Public Works
City Council Presentation

October 13, 2015



Background

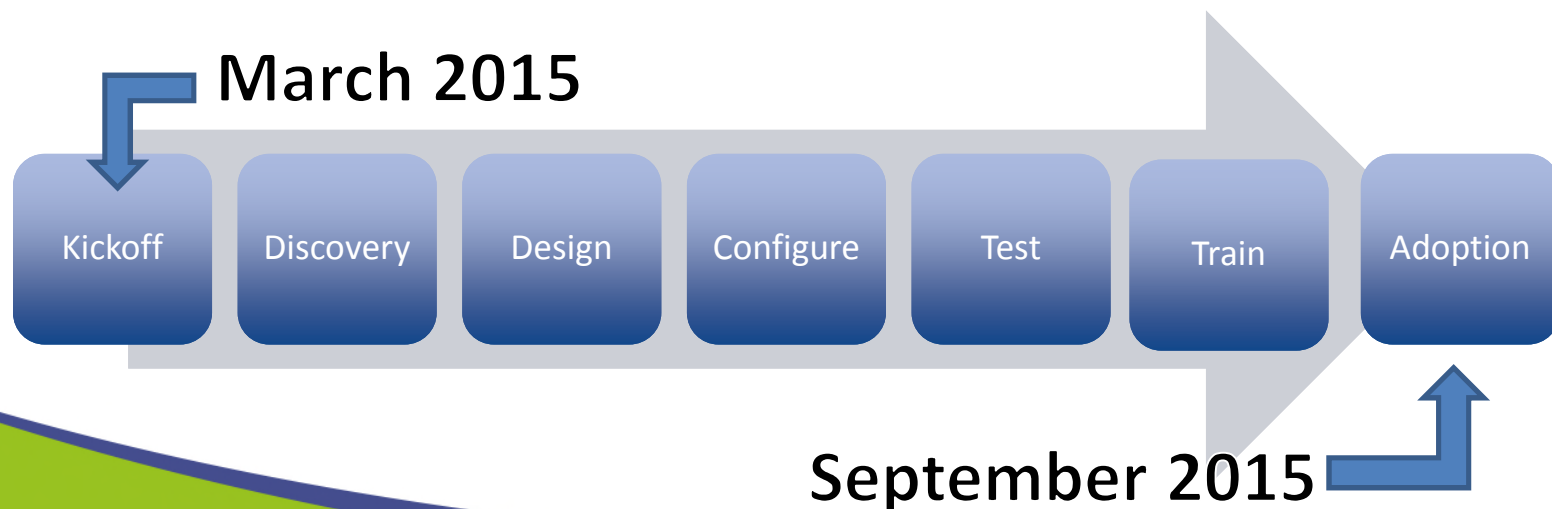
- Public Works is currently managing 271 active projects
- 100 new projects are initiated each year
- 393 Construction Contracts & Professional Agreements were processed in FY 2014
- Previous project management system created in 1990s
 - Old system assigned project numbers and created static lists
 - Old system was based on Microsoft Access

New system

- E-Builder is a web-based owner-centric project management system.
- Current E-Builder clients include the following municipalities:
 - Loudoun County, VA
 - City of Arlington, TX
 - City of Tacoma, WA
 - City of Largo, FL
- Improvements to accountability, communication, collaboration & process automation
- Positive impact towards City goal of a well-managed government
- Benefits of the new system:
 - Improved project delivery
 - More responsive to project issues
 - Improved field reporting quality and efficiency
 - Improved project schedule monitoring
 - Improved project budget management

Implementation

- Implementation phase was completed in September
- Clean slate: All FY16 projects are being managed through this new system
- 120 Projects have been loaded into the new system
- Data validation phase will continue through December 2015



Transforming Project Management

- Improvements to Existing Approach:
 - Formalized tool for tracking schedules and budgets
 - Link between schedules and budgets to create Cash Flow projections
 - Workflow processes tracking “work in your court” and time between key steps
- New Structured Workflow Processes:
 - Contract processing
 - Construction submittals and Requests for Information (RFIs)
 - Pay Applications
 - Potential Change Orders (earlier indication of budget impact)

Taking it to the next level

- Reporting on Tasks and Action Items - Not Yet Complete
- Implementation Metrics (how are we doing)
- Focus on Earlier Response to Potential Impacts to Projects
- Inspection Reports Submitted from the Project Site

Moving Forward

- Improve and Expand System Capabilities
- Build a Case for Electronic Signatures
- Improved Coordination with Other Departments
- Adding Consultants and Contractors to the System

Windshield Reporting

- Current City website has 7 active Public Works projects (not including VDOT related projects)
- Current City website has 4 completed Public Works projects (to be removed)
- This week we are adding the following major projects:

Broad Creek Library

Fire Rescue Station #12 Replacement

Granby Street Decorative Lighting

Harbor Park Boxing Center

Southside Library

Ocean View Traffic Calming*

Chelsea Infrastructure improvements *

Poplar Hall / Military Hwy Pedestrian Improvements*

Five Points Better Block Initiative*

Chesapeake Boulevard Infrastructure Improvements*

Arts District Infrastructure Improvements *

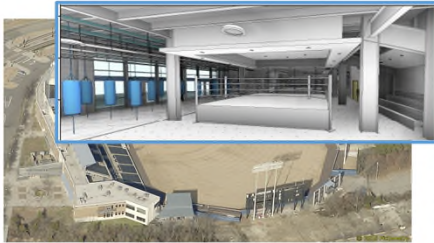
*Pending adoption of budget amendment

- All future major projects will be added as they get started
- There is a procedure in place to ensure for consistent timely updates
- All projects will follow the same report format, recently updated



Example Windshield Reports

Harbor Park Boxing Center



Project Description: This project consists of a new boxing and fitness center in unconditioned storefront space at Harbor Park, to include boxing rings, spectator seating, weight room, locker rooms, training areas, laundry facilities, staff lounge, classroom and public restrooms

Project Cost: \$2,175,000

Current Project Status: Construction

Project Schedule:

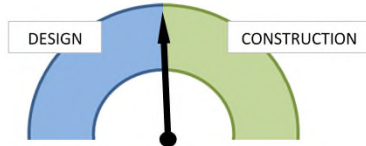
Design Completion April 2015
Construction Start November 2015
Construction Completion December 2016

Ward: 2

Superward: 6

Project Coordinator: Oliver Love, Architecture Bureau

Location: East Main Street and Park Avenue



Downtown Norfolk Transfer Station (HRT)



Project Description: This project consists of the construction of an approximately 3,700 square foot, one-story building with associated site work that includes bus loop, road work, parking lot reconfiguration, landscaping, walkway and canopies for operation by Hampton Roads Transit (HRT).

Project Cost: \$5,100,000

Current Project Status: Construction

Project Schedule:

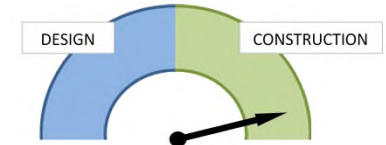
Design Completion January 31, 2014
Construction Start June 23, 2014
Construction Completion October 2015

Ward: 4

Superward: 7

Project Coordinator: John Alford, RA, Architectural Bureau
Dave Pfiffer, P.E., Engineering Bureau

Location: St. Paul's Boulevard and Woods Street



Thank You!

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